Improving Metadata
Strategies and Standards

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Overview

- A bit about NISO and some changes underway

- A plethora of metadata standards

- The supply chain of metadata

- Ongoing and developing projects for improvement

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What has changed at NISO?

Restructured leadership committee

Tripled the capacity and added expertise

Technological communication tools

Funded by the Andrew W. Mellon Foundation

More rapid pace of development

New (to NISO) forms of consensus

Capital "S" versus lower case "s" standards

More active international participation

Standards - So many to choose from!

Metadata Standards - Too many options

- Dublin Core
  - Z39.85 / ISO 15836 / IETF RFC 5013
- IEE Learning Objects Metadata (LOM)
- MARC
- TEI
- NLM DTD / PubMed
- DOI Deposit Schema
- ONIX
- Open URL
- METS
- MPEG-7
- Z39.87 - Technical Metadata for still images
- CSDGM - Content Standard for Digital Geospatial Metadata

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Another aspect of the problem

- NLM DTD
  - Common structure for creating published content

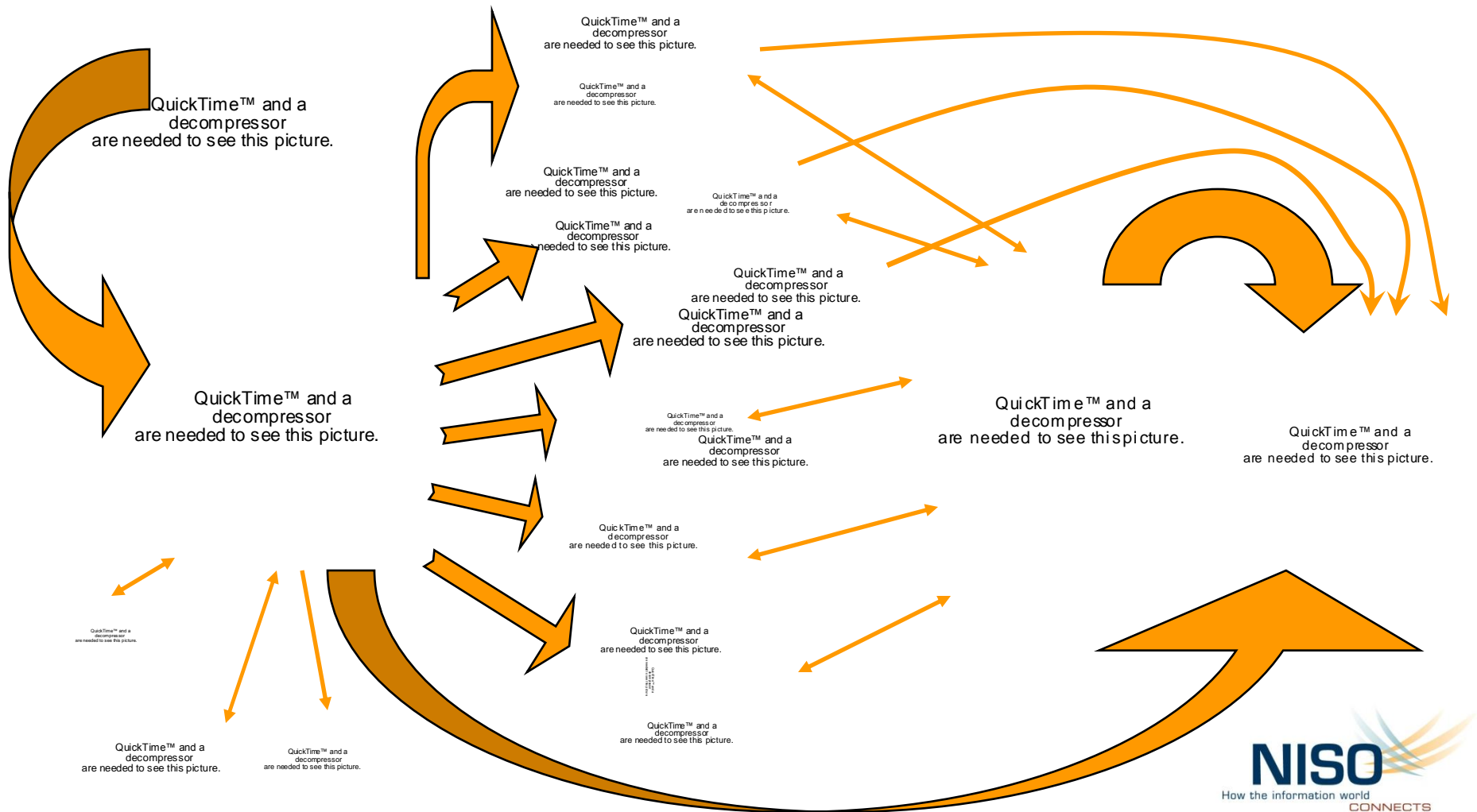However:

Three different versions of it

Archiving, Publishing, and Book

Plus dozens of variations that are "NLM-based" or

"Informed by NLM"

There are also dozens of proprietary formats

The Supply Chain of Metadata

Needs of the Library Community

Speed the creation of metadata

Enhance sharing of existing metadata

Repurpose, enhance and reuse metadata from existing streams

Crosswalks and translations among different formats

Conformance measurement and assessment

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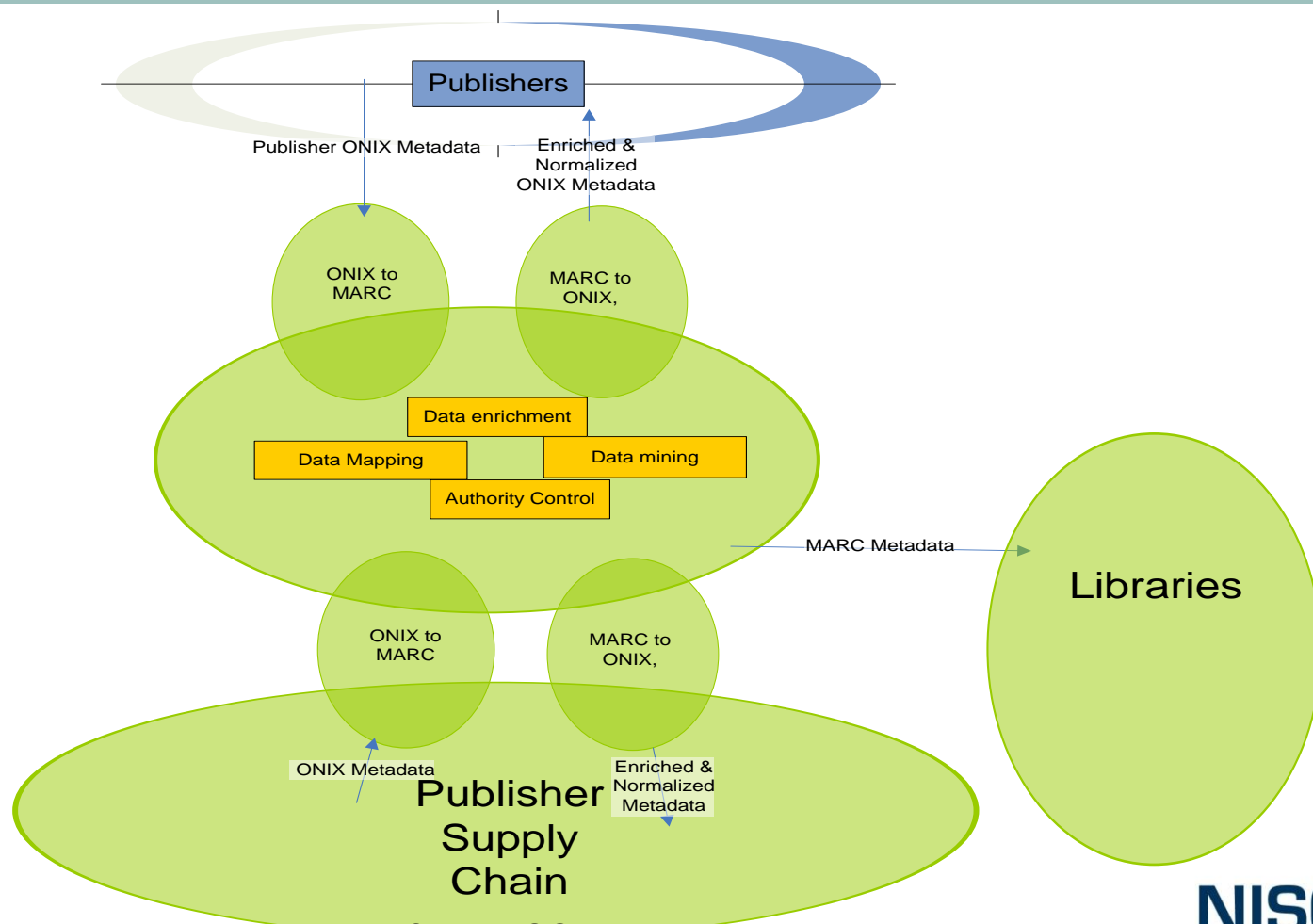CONNECTS

Improving Metadata: ongoing projects

- BISG Product Data Certification Program
  - To improve the conformance to ONIX standard
- OCLC - "Next Generation" Cataloging & Metadata Services
  - To transform ONIX data into MARC data
- NISO/UKSG Knowledge Base and Related Tools (KBART) initiative
  - To improve OpenURL metadata and understanding of process

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Product Data Certification Program

- Based on prepared Product Metadata Best Practices, a set of voluntary guidelines
- Managed by BISAC Metadata Committee
- Provides feedback on the quality of supplied data content and timeliness
- Currently 5 certified publishers

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OCLC "Next Generation" Cataloging & Metadata Services Data Flow

Slide from Renee Register's presentation from NISO Metadata Forum
http://www.niso.org/news/events/2008/metadata08/agenda

NISO/UKSG KBART Initiative

Publishers/Content Hosts

Requested by library

Pull | Push

Subscription Agents

Requested by library

4.

1.

Content packages

Pull | Push

Internal Library Systems

Holdings / subs files

Link Resolver Supplier*

Supplier Hosted Resolver

Library

either

5.

2.

Master KB

3.

or

Library Hosted Resolver
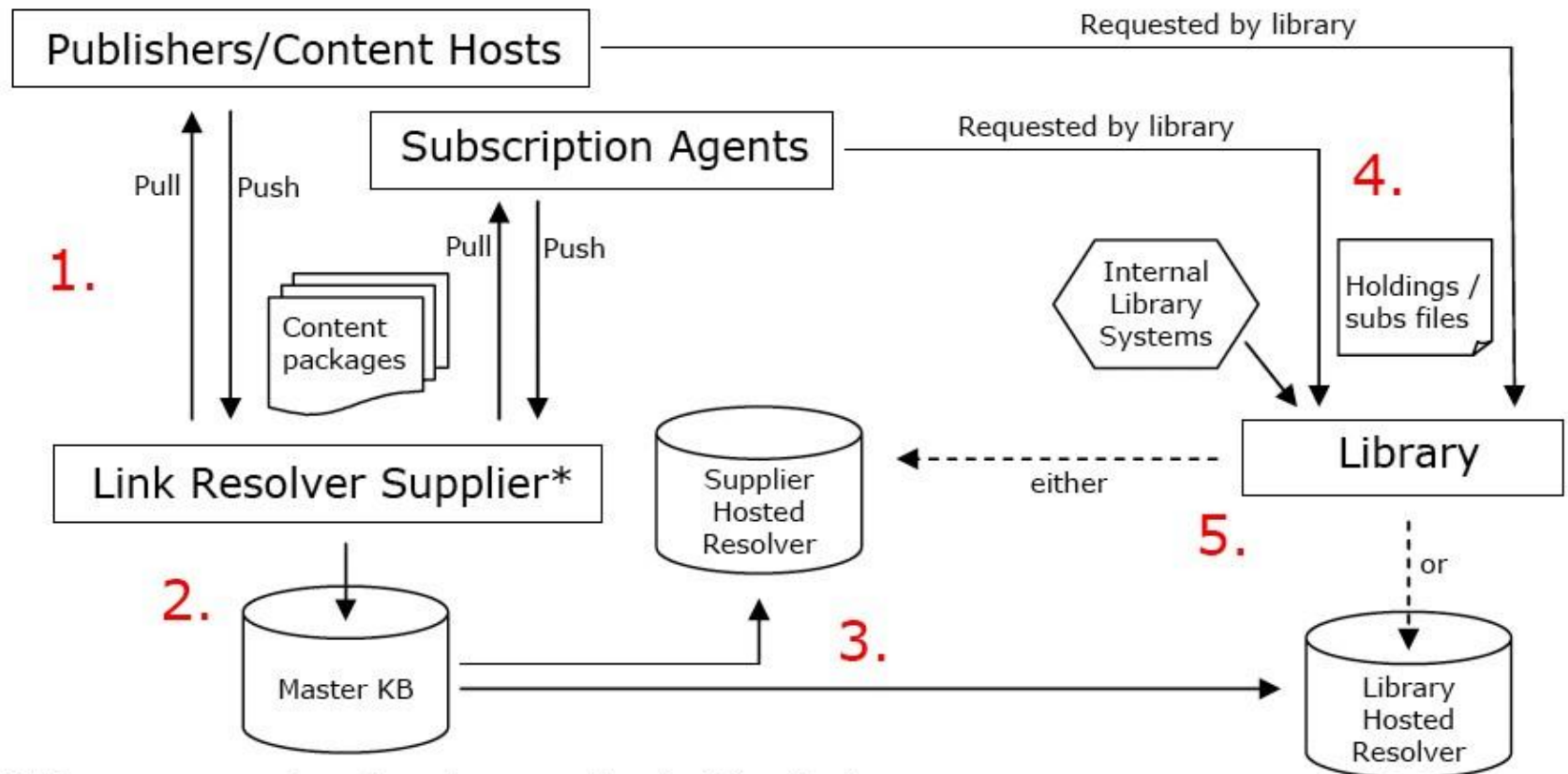
* There are a number of resolver suppliers building their own proprietary Knowledge Bases (KBs) for the market

Forthcoming Initiatives

NISO sponsored series of Thought Leader meetings - funded by Mellon Foundation

Meeting on Digital Libraries and Digital Collections -- June 2008

Recommendation: Design suite of conformance assessment tools

Encouraging Conformance: Study

- What is in it for the publishers?
  - Why should they invest their resources to make the lives of the library community better?

- NISO exploring the question of return on investment for publishers
  - How will improved metadata improve publishers' business?
- Hopefully, will reinforce the use of any toolset that NISO develops

How can NISO help?

- Broad representation
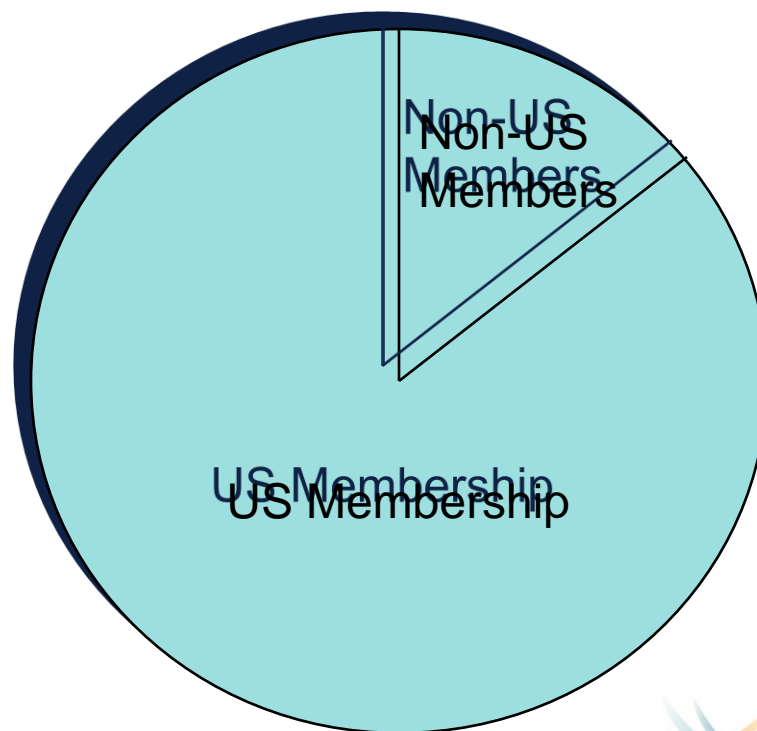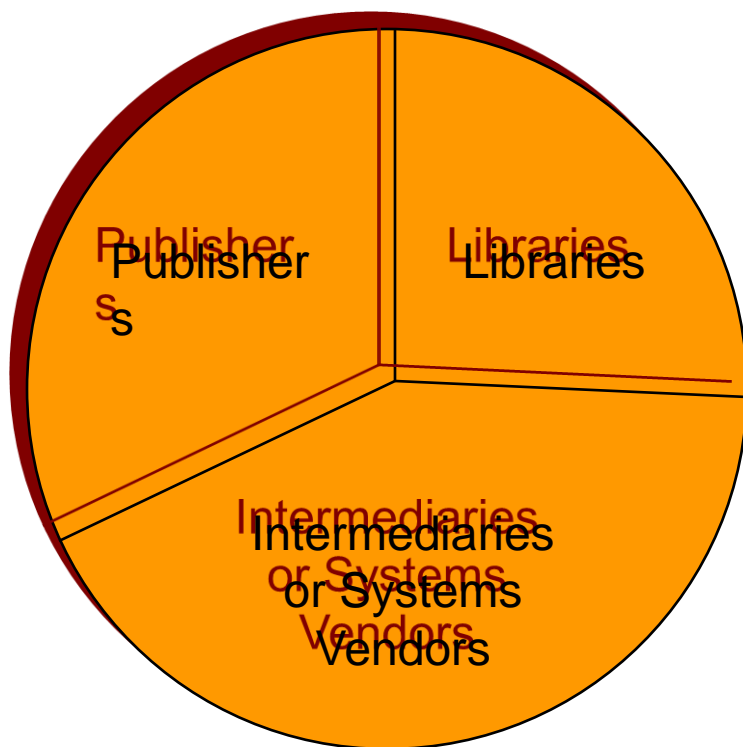
More Information

- ## NISO Thought Leader Meetings
  www.niso.org/topics/tl/

- ## BISG ONIX Certification
  www.bisg.org/documents/certification_productdata.html

- ## OCLC Next Generation Cataloging Project
  www.oclc.org/partnerships/material/nexgen/nextgencataloging.htm

- ## NISO/UKSG KBART
  www.niso.org/workrooms/kbart

- ## NISO Metadata Forum - June 2008
  www.niso.org/news/events/2008/metadata08

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Thank you!

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